

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
UV-192APPLICATION NO.  
09/823,588SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTSAPPLICANTS  
S. Sean Moore et al.CONFIRMATION NO.  
6830FILING DATE  
March 30, 2001GROUP  
3622

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME          | CLASS | SUBCLASS | FILING DATE<br>IF<br>APPROPRIATE |
|---------------------|--------------------|----------|---------------|-------|----------|----------------------------------|
| DL                  | 6,002,394          | 12/14/99 | Schein et al. | 725   | 39       |                                  |
|                     |                    |          |               |       |          |                                  |
|                     |                    |          |               |       |          |                                  |
|                     |                    |          |               |       |          |                                  |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|--------------------|------|---------|-------|----------|-------------|----|
|                     |                    |      |         |       |          | YES         | NO |
|                     |                    |      |         |       |          |             |    |
|                     |                    |      |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER<br>INITIAL |  |
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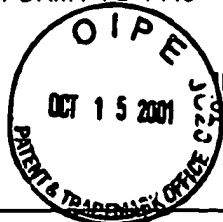
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March 30, 2001GROUP  
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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
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| DL                  | 6,209,129          | 3/27/01  | Carr et al.      | 725   | 42       |                               |
|                     | 6,025,837          | 2/15/00  | Matthews et al.  | 345   | 327      |                               |
|                     | 5,838,314          | 11/17/98 | Neel et al.      | 345   | 327      |                               |
|                     | 5,830,068          | 11/3/98  | Brenner et al.   | 463   | 42       |                               |
|                     | 5,805,154          | 9/8/98   | Brown            | 345   | 327      |                               |
|                     | 5,781,246          | 7/14/98  | Alten et al.     | 348   | 569      |                               |
|                     | 5,734,853          | 3/31/98  | Hendricks et al. | 395   | 352      |                               |
|                     | 5,699,107          | 12/16/97 | Lawler et al.    | 348   | 13       |                               |
|                     | 5,682,195          | 10/28/97 | Hendricks et al. | 348   | 6        |                               |
|                     | 5,659,350          | 8/19/97  | Hendricks et al. | 348   | 6        |                               |
|                     | 5,635,978          | 6/3/97   | Alten et al.     | 348   | 7        |                               |
|                     | 5,629,733          | 5/13/97  | Youman et al.    | 348   | 7        |                               |
|                     | 5,600,573          | 2/4/97   | Hendricks et al. | 364   | 514 R    |                               |
|                     | 5,600,364          | 2/4/97   | Hendricks et al. | 348   | 1        |                               |
|                     | 5,589,892          | 12/31/96 | Knee et al.      | 348   | 731      |                               |
|                     | 5,585,858          | 12/17/96 | Harper et al.    | 348   | 485      |                               |
|                     | 5,559,549          | 9/24/96  | Hendricks et al. | 348   | 6        |                               |
|                     | 5,559,548          | 9/24/96  | Davis et al.     | 348   | 6        |                               |
|                     | 5,534,911          | 7/9/96   | Levitan          | 348   | 1        |                               |
|                     | 5,523,796          | 6/4/96   | Marshall et al.  | 348   | 589      |                               |
|                     | 5,485,197          | 1/16/96  | Hoarty           | 348   | 7        |                               |
|                     | 5,483,278          | 1/9/96   | Strubbe et al.   | 348   | 7        |                               |
|                     | 5,410,344          | 4/25/95  | Graves et al.    | 348   | 1        |                               |
|                     | 5,335,277          | 8/2/94   | Harvey et al.    | 380   | 20       |                               |
|                     | 5,253,066          | 10/12/93 | Vogel            | 348   | 188      |                               |
|                     | 5,223,924          | 6/29/93  | Strubbe          | 358   | 86       |                               |
| ✓                   | 4,694,490          | 9/15/87  | Harvey et al.    | 380   | 20       |                               |

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|---------------------|-----------------|----------|---------|-------|----------|-------------|----|
|                     |                 |          |         |       |          | YES         | NO |
| DL                  | WO 01/58158     | 8/9/01   | PCT     | H04N  | 7/16     |             |    |
|                     | WO 01/50743     | 7/12/01  | PCT     | H04N  | 5/445    |             |    |
|                     | WO 01/46869     | 6/28/01  | PCT     | G06F  | 17/30    |             |    |
|                     | WO 01/19086     | 3/15/01  | PCT     | H04N  | 7/24     |             |    |
|                     | WO 00/79798     | 12/28/00 | PCT     | H04N  | 7/173    |             |    |
|                     | WO 00/02380     | 1/13/00  | PCT     | H04N  | 5/00     |             |    |
|                     | WO 99/60789     | 11/25/99 | PCT     | H04N  | 7/16     |             |    |
|                     | WO 99/60783     | 11/25/99 | PCT     | H04N  | 5/445    |             |    |
|                     | WO 99/56466     | 11/4/99  | PCT     | H04N  | 5/445    |             |    |
|                     | WO 99/45702     | 9/10/99  | PCT     | H04N  | 5/445    |             |    |
|                     | WO 99/45700     | 9/10/99  | PCT     | H04N  | 5/445    |             |    |
|                     | WO 99/30491     | 6/17/99  | PCT     | H04N  | 5/445    |             |    |
|                     | WO 98/39893     | 9/11/98  | PCT     | H04M  |          |             |    |
|                     | WO 98/27723     | 6/25/98  | PCT     | H04N  | 5/445    |             |    |
|                     | WO 98/06219     | 2/12/98  | PCT     | H04N  | 7/10     |             |    |
|                     | WO 98/00976     | 1/8/98   | PCT     | H04N  | 7/173    |             |    |
|                     | WO 98/00975     | 1/8/98   | PCT     | H04N  | 7/173    |             |    |
|                     | WO 97/49242     | 12/24/97 | PCT     | H04N  | 7/10     |             |    |
|                     | WO 97/48230     | 12/18/97 | PCT     | H04N  | 7/00     |             |    |
|                     | WO 97/42763     | 11/13/97 | PCT     | H04N  | 7/173    |             |    |
|                     | WO 97/29458     | 8/14/97  | PCT     | G06T  | 13/00    |             |    |
|                     | WO 97/19555     | 5/29/97  | PCT     | H04N  | 7/16     |             |    |
|                     | WO 96/41478     | 12/19/96 | PCT     | H04N  | 7/173    |             |    |
|                     | WO 96/34491     | 10/31/96 | PCT     | H04N  | 7/025    |             |    |
| ✓                   | WO 94/14284     | 6/23/94  | PCT     | H04N  | 7/16     |             |    |

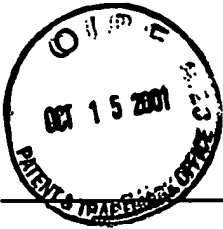
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"OpenTV Launches OpenStreamer™ Technology for Broadcasters to Deliver First Ever Real-Time Digital Interactive Television", from the Internet at [http://www.opentv.com/news/openstreamer\\_press\\_final.htm](http://www.opentv.com/news/openstreamer_press_final.htm), printed on 6/28/99, the document bears a copyright date of 1999.

"OpenTV(R) and Interactive Channel Form Strategic Alliance to Deliver Interactive Programming to Satellite Television Subscribers", from the Internet at <http://www.opentv.com/news/interactivechannelfinal.htm>, printed on 6/8/99.

"Prevue Networks and OpenTV(R) Agree to Work Together on Deploying Interactive Program Guides Worldwide", from the Internet at <http://www.opentv.com/news/prevuefinal.htm>, printed on 6/28/99.

Technical White Paper, "OpenTV™ Operating Environment", (© 1998 OpenTV Inc.), pages 1-12.

Matthew D. Miller, "A Scenario for the Deployment of Interactive Multimedia Cable Television Systems in the United States in the 1990's", proceedings of the IEEE, Vol. 82, No. 4, April 1994, pages 585-589.

European Telecommunication Standard, "Electronic Programme Guide (EPG); Protocol for a TV Guide using electronic data transmission", pp. 1-45, sections 1-11.12.7 and annex A-P, bearing a date of May 1997.

Hartwig, Rautenberg, Bollmann, "Broadcasting and Processing of Program Guides for Digital TV", SMPTE Journal, pp. 727-732, October 1997.

"Enhanced Content Specification", "ATVEF", from the Internet at <http://www.atvef.com/library/spec.html>, printed 8/22/01, the document bears a Copyright date of 1998, 1999, 2000.

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